<u>Amendments to the Claims:</u>
This listing of claims will replace all prior versions, and listings, of claims in the application:

Amend the claims as follows.

Listing of Claims:

1	1. (Currently amended) A method of managing signal-processing
2	resources of a multimedia platform that is designed for applying signal-
3	processing operations to multimedia signals, comprising:
4	defining multimedia functions each capable of monitoring the
5	operation of a set of multimedia platform signal-processing resources,
6	putting them in contact, and adapting the contents of said signal-
7	processing resource set depending on the multimedia signal to be
8	processed; and
9	using said multimedia functions to apply said signal-processing
10	operations to said multimedia signals, wherein
11	said using comprises:
12	the signal processing resources of a plurality of types declaring
13	themselves to a resource management function;
14	the resource management function registering values of description
15	parameters of the declared resources that represent functions of the
16	declared resources, and connectivity of the declared resources including
17	addresses of the declared resources;
18	configuring the multimedia functions to use certain types of the
19	signal processing resources;
20	an application issuing a high-level instruction to apply a multimedia
21	function of the multimedia functions to the multimedia signals;
22	the multimedia function that corresponds to the high-level
23	instruction executing the high-level instruction by issuing a plurality of
24	elementary control instructions that define operations enabling control of
25	the signal processing resources, including

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dynamically allocating available ones of the signal processing 26 resources of the configured types that are needed to effect the 27 high-level instruction, 28 adapting the multimedia function to the high-level instruction, 29 and 30 setting up data exchanges among the allocated resources. 31 2. (Original) The method of claim 1 wherein: 1 prior to applying any signal-processing operations to multimedia 2 signals, a multimedia function group is formed, wherein this group 3 includes all multimedia functions required for processing multimedia 4 5 signals in a given application. 3. (Original) The method of claim 1 wherein: 1 2 defining multimedia functions comprises assembling basic functions that are configured for using the 3 resources that are available on the multimedia platform. 4 4. (Original) The method of claim 3 wherein: 1 2 prior to applying any signal-processing operations to multimedia signals, a multimedia function group is formed, wherein this group 3 includes all multimedia functions required for processing multimedia 4 signals in a given application. 5 5. (Currently amended) The method of claim 3 wherein: 1 2 each signal-processing resource of the multimedia platform belongs to a type of resource one of the types of resources, and 3 4 the signal-processing resources of a same type are controlled by 5 the sam\ontrol-same elementary control instructions.

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1	6. (Original) The method of claim 5 wherein:
2	prior to applying any signal-processing operations to multimedia
3	signals, a multimedia function group is formed, wherein this group
4	includes all multimedia functions required for processing multimedia
5	signals in a given application.
1	7. (Currently amended) The method of claim 3, wherein:
2	said declaring comprises declaring the resources that are available
3	on the multimedia platform are declared to a negotiation device of the
4	multimedia platform when they are powered-on for a first time.
1	8. (Original) The method of claim 7 wherein:
2	prior to applying any signal-processing operations to multimedia
3	signals, a multimedia function group is formed, wherein this group
4	includes all multimedia functions required for processing multimedia
5	signals in a given application.
1	9. (Currently amended) The method of claim 7 wherein:
2	each signal-processing resource of the multimedia platform belongs
3	to a type of resourceone of the types of resources, and
4	the signal-processing resources of a same type are controlled by
5	the same <u>elementary</u> control instructions.
1	10. (Original) The method of claim 9 wherein:
2	prior to applying any signal-processing operations to multimedia
3	signals, a multimedia function group is formed, wherein this group
4	includes all multimedia functions required for processing multimedia
5	signals in a given application.

1	11. (Currently amended) An apparatus for managing signal-
2	processing resources of a multimedia platform that is designed for
3	applying signal-processing operations to multimedia signals, comprising:
4	means for defining multimedia functions each capable of monitoring
5	the operation of a set of multimedia platform signal-processing resources,
6	putting them in contact, and adapting the contents of said signal-
7	processing resource set depending on the multimedia signal to be
8	processed; and
9	means for using said multimedia functions to apply said signal-
10	processing operations to said multimedia signals, wherein
11	said means for using comprise:
12	a resource management function, responsive to the signal
13	processing resources of a plurality of types declaring themselves to the
14	resource management function, for registering values of description
15	parameters of the declared resources that represent functions of the
16	declared resources, and connectivity of the declared resources including
17	addresses of the declared resources, and further for configuring the
18	multimedia functions to use certain types of the signal processing
19	resources; and
20	a multimedia function corresponding to a high-level instruction,
21	responsive to an application issuing the high-level instruction to apply a
22	multimedia function of the multimedia functions to the multimedia signals,
23	for executing the high-level instruction by issuing a plurality of elementary
24	control instructions that define operations enabling control of the signal
25	processing resources, including
26	 dynamically allocating available ones of the signal processing
27	resources of the configured types that are needed to effect the
28	high-level instruction,
29	 adapting the multimedia function to the high-level instruction,
30	<u>and</u>
31	 setting up data exchanges among the allocated resources.

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1	12. (Currently amended) A multimedia platform for defining
2	multimedia functions each capable of monitoring the operation of a set of
3	multimedia platform signal-processing resources, putting them in contact,
4	adapting the contents of said signal-processing resource set depending on
5	the multimedia signal to be processed, and using said multimedia
6	functions to apply said signal-processing operations to said multimedia
7	signals, and including a plurality of signal-processing resources,
8	comprising:
9	a resource interface (3) wherein operations are defined that make it
10	possible to control said signal-processing resources;
11	a resource management unit (2) for dynamically allocating signal-
12	processing resources depending on the signal-processing operation to be
13	carried out and managing exchanges among signal-processing resources;
14	an application interface (5) wherein said multimedia functions are
15	defined; and
16	an application unit (4) having an application program for applying
17	said multimedia functions.
1	13. (New) The method of claim 1 wherein:
2	configuring the multimedia functions comprises
3	configuring the multimedia functions to use signal processing
4	resources that are accessible at given addresses; and
5	dynamically allocating available ones of the signal processing
6	resources of the configured types comprises
7	dynamically allocating available ones of the signal processing resources of
8	the types with whose addresses the multimedia function is configured.
1	14. (New) The method of claim 1 wherein:
2	setting up data exchanges among the allocated resources
3	comprises

4	putting the allocated resources into contact with each other by
5	negotiating between flow entry ports and flow output ports of the allocated
6	resources to configure the ports for connecting with each other.
1	15. (New) The method of claim 1 wherein:
2	adapting the multimedia function to the high-level instruction
3	comprises
4	if needed, requesting from the resource management function
5	available ones of other types of the signal processing resources that are
6	needed to effect the high-level instruction, and
7	integrating among the allocated resources the requested resources of the
8	other types.
1	16. (New) The method of claim 1 further comprising:
2	an application program expressing its needs in terms of resources;
3	the resource management function responding to the expressed
4	need by forming a group of the multimedia functions that provide to the
5	application program a control interface comprising high-level instructions
6	for controlling the needed resources; and
7	the resource management function allocating the needed resources
8	to the group of multimedia functions by configuring the multimedia
9	functions of the group with addresses of the types of the needed
10	resources.
1	17. (New) An apparatus for performing the method of one of
2	claims 1-10 and 13-16.
1	18. (New) The apparatus of claim 17 comprising:
2	a resource interface wherein operations are defined that make it
3	possible to control said signal processing resources;
4	a resource management unit for dynamically allocating signal

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- 5 processing resources depending on the signal processing operation to be
- 6 carried out and managing exchanges among signal processing resources;
- 7 an application interface wherein said multimedia functions are
- 8 defined; and
- an application unit having an application program for applying said
- 10 multimedia functions.